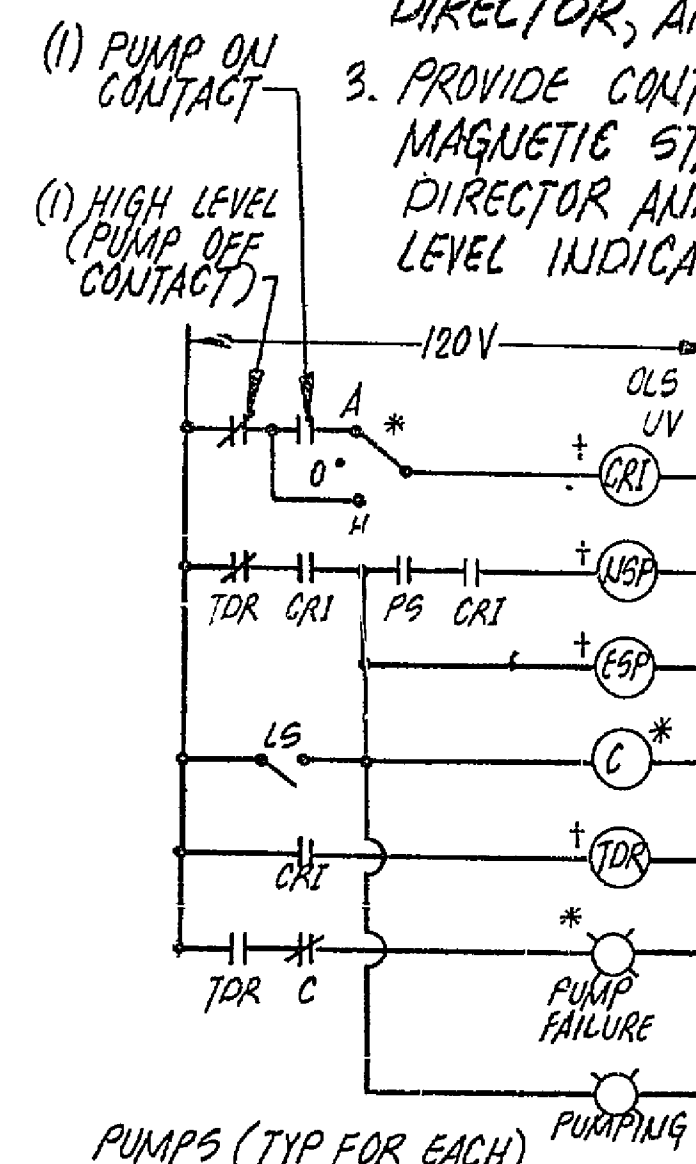


DEMOLITION NOTES

1. DISCONNECT EXISTING PUMPS, PUMP CONTROLLERS, ELECTRIC HEATERS, AND REMOVE WIRING BACK TO EXISTING PANELBOARD.
2. REMOVE EXISTING ELECTRIC METER, AFTER NEW SERVICE IS INSTALLED AND NEW PUMPS ARE OPERATING, AND TURN OVER TO APCO.
3. PUMPING SYSTEM MUST BE KEPT IN OPERATION AT ALL TIMES. NEW INSTALLATION AND DEMOLITION MUST BE COORDINATED WITH OPERATIONS.
4. EXISTING LIGHTING AND RECEPTACLES TO REMAIN.

ELECTRICAL NOTES

1. INSTALL NEW 3 PHASE, 4 WIRE, 240/120 V, METER, FURNISHED BY APCO, BESIDE EXISTING METER. INSTALL 4 #2 IN 1 1/4" CUD; UP EXISTING SERVICE MAST, WITH SERVICE HEAD AND 3' OF CONDUCTORS EXTENDING FOR CONNECTION BY APCO. INSTALL 4 #2 IN 1 1/4" CUD. FROM LOAD SIDE OF METER TO NEW PANEL 'A' MAINS.
2. PROVIDE CONTROL WIRING, IN CONDUIT, AS REQUIRED BETWEEN MAGNETIC STARTER AND PUMP DIRECTOR, PUMP DIRECTOR AND ELECTRIC CHECK VALVE, PUMP CONTROLLER AND PUMP DIRECTOR, AND LOW PRESSURE CUT-OFF SWITCH AND PUMP DIRECTOR.
3. PROVIDE CONTROL WIRING, IN CONDUIT, AS REQUIRED BETWEEN MAGNETIC STARTER AND PUMP DIRECTOR, BETWEEN PUMP DIRECTOR AND ELECTRIC CHECK VALVES AND BETWEEN TANK LEVEL INDICATOR / PUMP CONTROLLER.

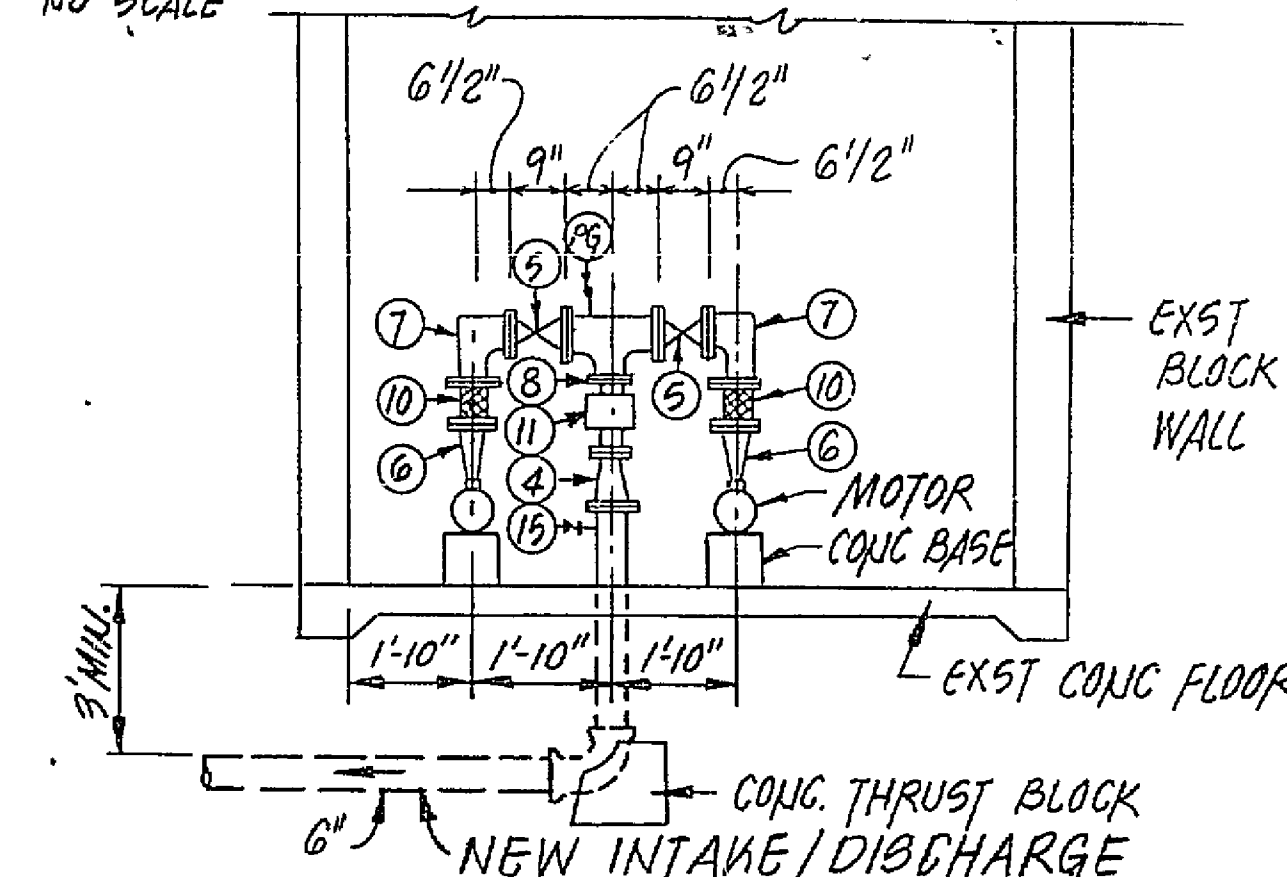


CONTROL WIRING LEGEND

- N NORMALLY CLOSED CONTACT
- NO NORMALLY OPENED CONTACT
- HAO HAND-OFF AUTO SELECTOR SWITCH
- C STARTER COIL
- R RELAY
- OLS STARTER OVERLOAD CONTACTS
- UV STARTER UNDERVOLTAGE CONTACTS
- GRI CONTACT RELAY
- TDR TIME DELAY RELAY
- NSP NORMAL SOLENOID PILOT (3 WAY)
- ESP EMERGENCY SOLENOID PILOT
- LS LIMIT SWITCH
- * LOCATED IN STARTER
- † LOCATED IN PUMP DIRECTOR
- (I) LOCATED IN TANK LEVEL INDICATOR, RECORDER AND RECEIVER

NOTE: ADDITIONAL INDICATOR LIGHTS SHALL BE INSTALLED TO INDICATE OPERATIONS AS OUTLINED IN PUMP DIRECTOR AND CHECK VALVE SPECIFICATIONS

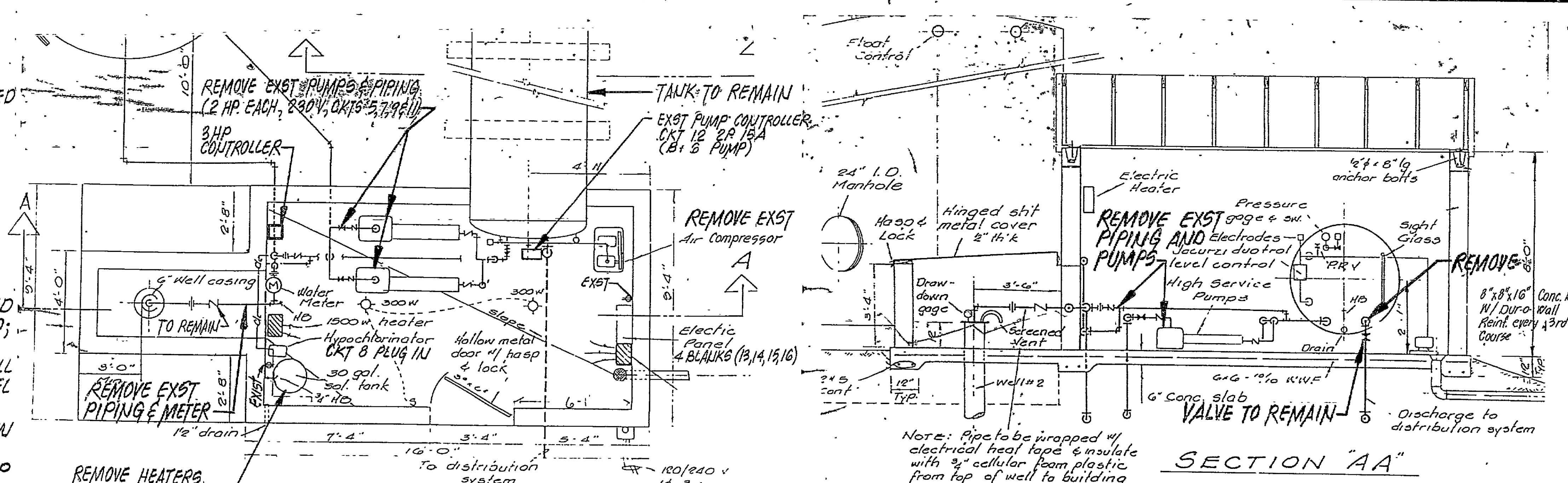
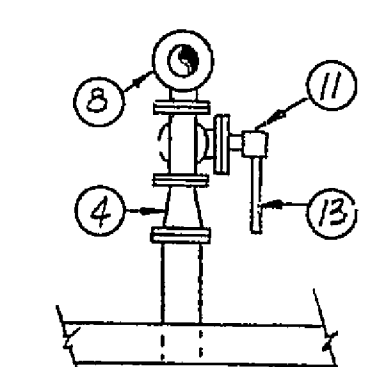
LOW PRESSURE CUT OFF SWITCH
SQUARE D GNG-5
RANGE 3-150 POUNDS
NEMA 1 ENCLOSURE



PIPING LEGEND

- 1 6"x6"x6" TEE
- 2 6" GATE VALVE
- 3 6" 90° BEND
- 4 6"x4" REDUCER
- 5 4" GATE VALVE
- 6 4"x4" REDUCER
- 7 4" ANGLE BODY ELEC. CHECK
- 8 4"x4"x4" TEE
- 9 6" SPOOL PIECE
- 10 FLEX. CONN. (RESTRAINED)
- 11 2" SURGE RELIEF VALVE (ANGLE BODY-THREADED)
- 12 PIPE SUPPORT UNDER
- 13 2" PIPE (THREADED)
- 14 1/2" SPACER FLANGE
- 15 3/4" NOSE BIBB
- 16 PRESSURE GAUGE (0-100 PSI)
- 17 PRESSURE GAUGE

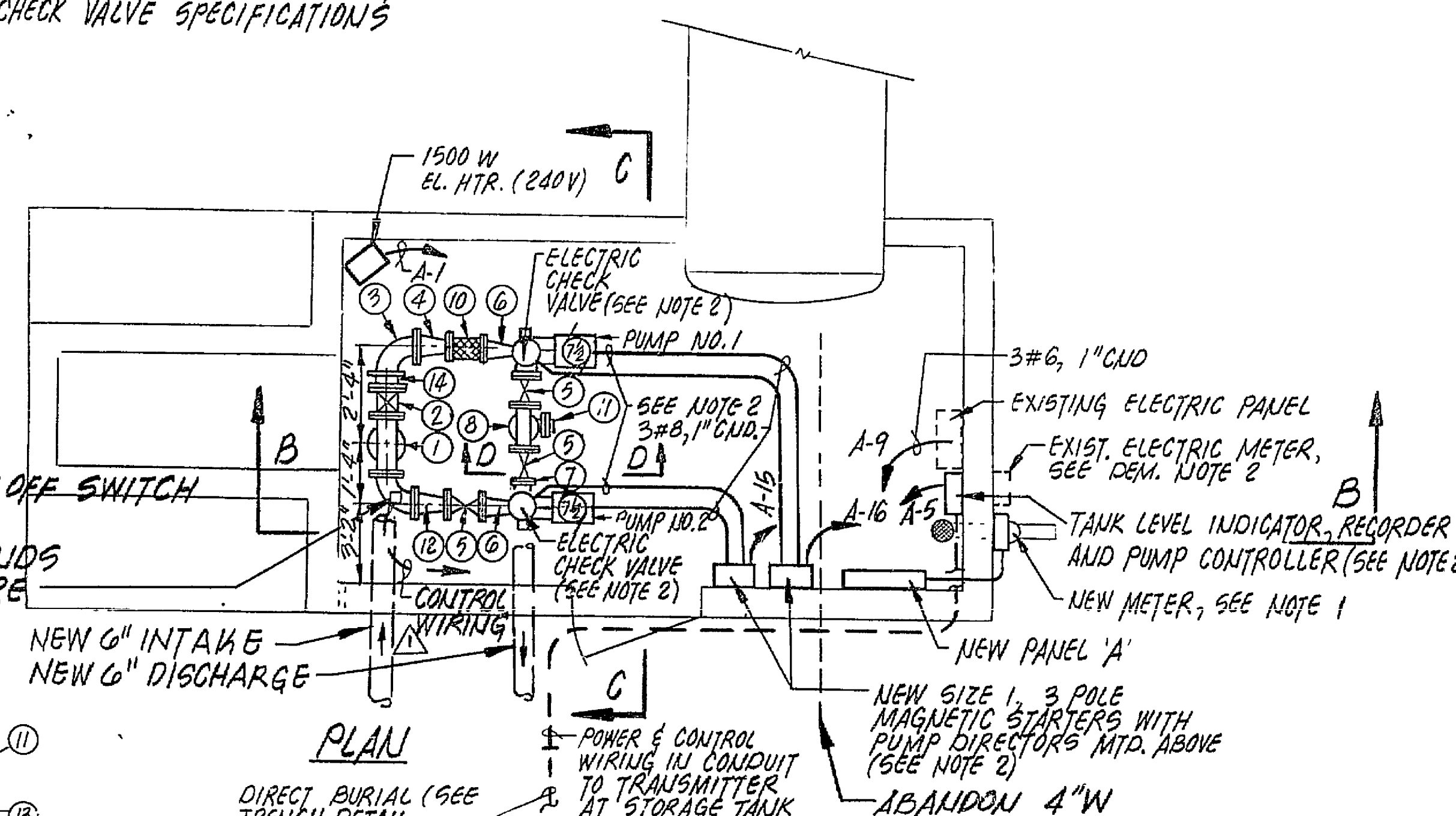
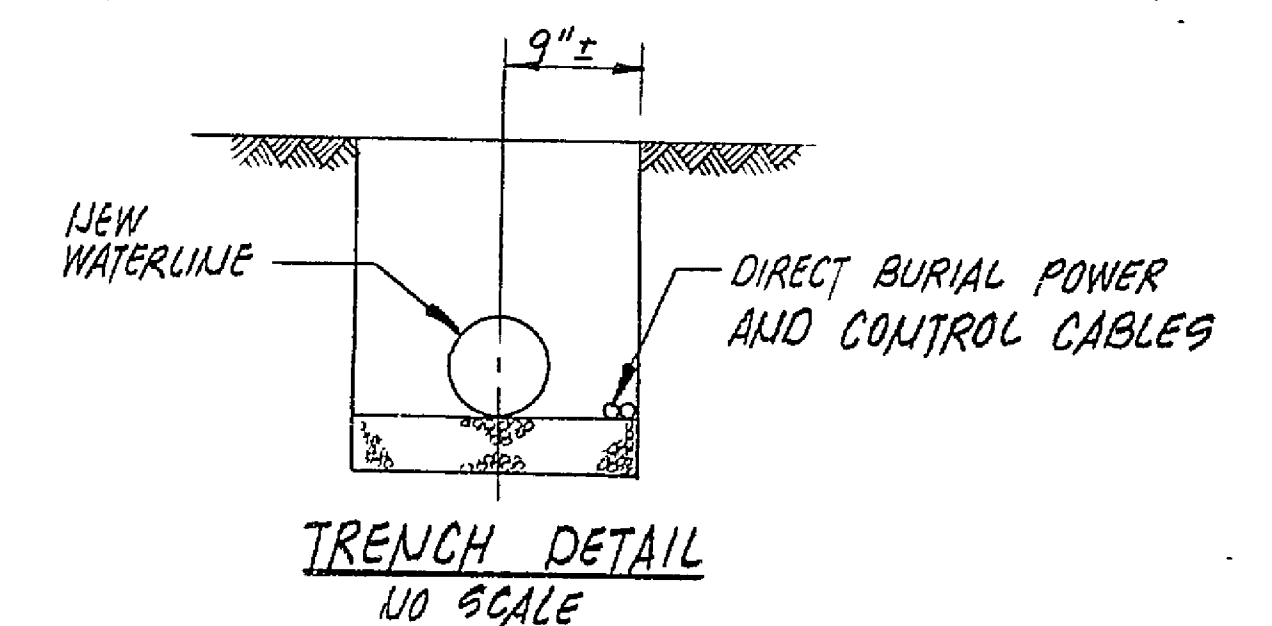
SECTION D-D



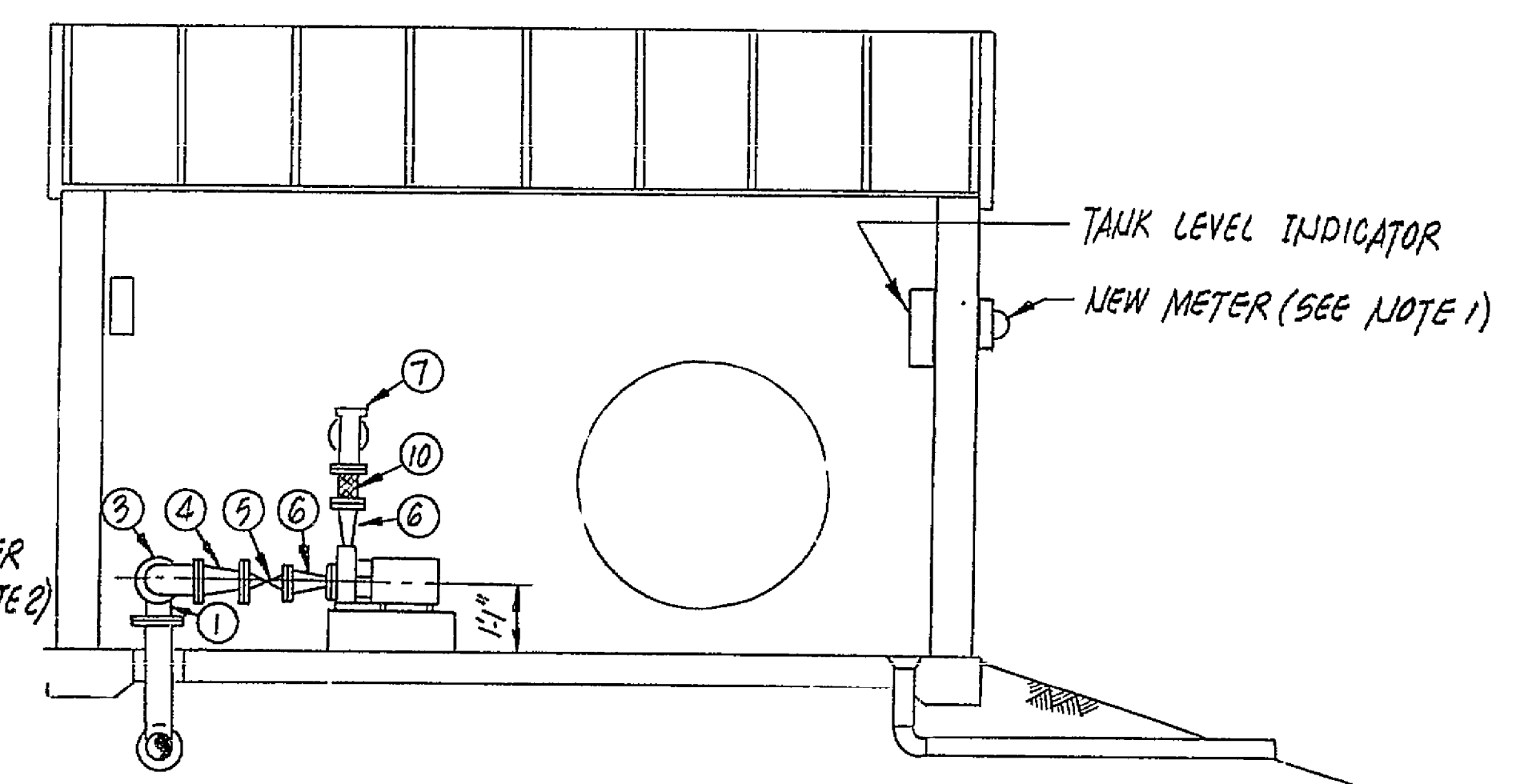
EXISTING WATER SUPPLY STATION

Scale: 3/8" = 1'-0"

NOTE: FOR STATION CURVE SEE SH. 3G



NEW WATER SUPPLY STATION



NOTE: EXISTING FLOOR SHALL BE SAW CUT FOR INSTALLATION OF NEW PIPES & TRENCH BACKFILLED WITH VDH # 21A, COMPACTED & CONC. SLAB REPLACED WITH WWF AND DOWELS INTO EXISTING CONC. SLAB.

RECORD DRAWING

JOHN B. OBENCHAIN
CONSULTING ENGINEER

SCHEDULE - PANEL BOARD

JOB: HOLLIS PUMP STATION				DATE: 5-26-86				CHECKED BY: JBO			
NO.	REV.	DESCRIPTION	DATE	NO.	REV.	DESCRIPTION	DATE	NO.	REV.	DESCRIPTION	DATE
1	1	UNIT HEATER	5-26-86	1	1	SPACE ONLY	5-26-86	1	1	SPACE ONLY	5-26-86
2	1	PUMP CONTROLS	5-26-86	2	1	SPACE ONLY	5-26-86	2	1	SPACE ONLY	5-26-86
3	1	EXISTING PANEL	5-26-86	3	1	SPACE ONLY	5-26-86	3	1	SPACE ONLY	5-26-86
4	1	PUMP	5-26-86	4	1	SPACE ONLY	5-26-86	4	1	SPACE ONLY	5-26-86



DESIGNED	JBO	CHECKED	JWC
DRAWN	CAT	APPROVED	
SUBMITTED			

WATER PUMPING STATION

SCALE: AS NOTED
DATE: AUG 26, 1986
SHEET: 35

86-09-W/S